

Johnny Casares

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EDUCATION

Florida International University (FIU) | Miami, FL

Bachelor in Science in Computer Science

- GPA: 3.52/4.00

Honors: Cum Laude

SKILLS

Computer: Dart, Flutter, Node JS, SQL, NoSQL, Python, API integration, Postman, Android Studio, VS Code, Git

Languages: English (fluent), Spanish (fluent, native)

WORK EXPERIENCE

Full Stack Developer | True Health Connect | Miami, FL

June 2022 - Present

- Develop and maintain features based on user feedback and product owner requests
- Design, test, and debug code for efficient and reliable commercial deployment
- Utilize technologies such as Flutter, Firebase services, and Node JS to create robust cross platform applications
- Test and implement API services using Postman and administer the database through the Firebase dashboard

Teacher Assistant | FIU | Miami, FL

May 2022 - August 2023

- Guided students in adopting best practices and coding standards, fostering a code quality culture
- Evaluated assignments, offering constructive feedback to enhance problem-solving skills in students
- Worked collaboratively in a team of up to 6 members to offer support to a classroom with over 140 students

IT Support Intern | MDCPS | Miami, FL

June 2018 - August 2019

- Ensured that devices were up-to-date and ready for use with the latest software upgrades
- Helped IT Technicians track, analyze, fix, and replace devices in 5 schools around Miami
- Assisted the IT staff to physically organize and set up all classrooms for the start of the school year

PROJECTS

Trial PathWay | Health Tech Innovators Hackathon by Regeneron

April 2024- May 2024

- Created a Windows and Android application using Flutter, Material 3 principles, and PostgreSQL database
- Integrated Facebook's BART NLP model from HuggingFace for text summarization to reduce length of trial descriptions and for researchers to create a brief description of their clinical research
- Connected and queried data from AACT Postgres database that aggregates ClinicalTrials.gov content
- Designed an app that aims to improve the recruitment process, enhance communication, improve patient retention, and extract data for training AI models to detect points of failure in the clinical trial process
- Engineered a modular pathway that allows researchers to create, modify, and track the clinical trial process for each patient. The data is collected from this pathway to feed ML models to predict endpoints of clinical studies

Valorant Match Outcome ML Model

May 2023 - August 2023

- Utilized MS Power Automate to scrape tracker.gg and collect over 300 matches and train my ML model
- Used a K-Nearest Neighbor (KNN) python package to accurately predict match outcomes
- Achieved an accuracy score of 92% and F1-score of 91%, meaning that my model yields a reliable result

LEADERSHIP

Team Lead | SkillCourt | Miami, FL

August 2023- December 2023

- Facilitated Agile methodologies within the team, ensuring adherence to Sprint commitments and weekly goals
- Coordinated daily scrum meetings with the team and the product owner to discuss progress and set milestones
- Reported changes made to the project by documenting in detail the modifications made during the semester
- Discussed and distributed tasks based on the team's experience and interest to optimize productivity
- Refactored code, significantly reducing the boilerplate and clearing project's directory for easier management
- Developed emulator using python asyncio and websockets packages to reduce dependency on hardware pads

Volunteer CS Instructor | init-Ignite | Miami, FL

January 2021 - May 2021

- Managed a team of three members by effectively communicating and distributing workload
- Used Google CS First Curriculum to introduce middle school students to programming through Scratch
- Analyzed performance and interest of students to plan lessons for the following session
- Encouraged students to participate in class and in the final project, which led to my student winning first place